

Date: Thu, 1 Sep 94 21:32:57 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #984
To: Info-Hams

Info-Hams Digest Thu, 1 Sep 94 Volume 94 : Issue 984

Today's Topics:

 2M vs 70 cm
 ARLB070 W1AW/125 operation
 Daily Summary of Solar Geophysical Activity for 29 August
 Missed SpaceNews Issues
 Power Amp. sale. CX3000.QSK.220-40A.30hrs. NS6F.
 Radio Shack mast
 Santec FM-240
 Ten-Ten Number - where to get one?
 XYL Reactions (snicker- Kodak moment) (was Re: IC-751A HF Transc

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 31 Aug 1994 22:45:09 GMT
From: news.cerf.net!nntp-server.caltech.edu!netline-fddi.jpl.nasa.gov!
elroy.jpl.nasa.gov!swrinde!howland.reston.ans.net!news.moneng.mei.com!
sol.ctr.columbia.edu!news.oberlin.edu!@ihnp4.ucsd.edu
Subject: 2M vs 70 cm
To: info-hams@ucsd.edu

I'm just getting into amateur radio and waiting for my
tech license to arrive. I'm debating whether to start
out with a single-band (2M) HT or break the bank and
go twin-band (2M and 70 cm). I'm wondering if 70 cm
capability is worth the extra expense of pricey HT
and dual-band antennas. Are the propagation characteristics
of 70 cm sufficiently interesting to make it a worthwhile

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 29 AUGUST, 1994

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 241, 08/29/94
10.7 FLUX=077.6 90-AVG=078 SSN=024 BKI=1132 1101 BAI=004
BGND-XRAY=B1.7 FLU1=1.7E+06 FLU10=1.5E+04 PKI=1131 1111 PAI=004
BOU-DEV=008,006,025,011,005,009,003,008 DEV-AVG=009 NT SWF=00:000
XRAY-MAX= C7.0 @ 1247UT XRAY-MIN= A2.5 @ 0033UT XRAY-AVG= B8.6
NEUTN-MAX= +002% @ 0545UT NEUTN-MIN= -003% @ 1325UT NEUTN-AVG= +0.0%
PCA-MAX= +0.1DB @ 1855UT PCA-MIN= -0.2DB @ 1225UT PCA-AVG= +0.0DB
BOUTF-MAX=55222NT @ 2335UT BOUTF-MIN=55188NT @ 1730UT BOUTF-AVG=55211NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+084,+000,+000
GOES6-MAX=P:+126NT@ 1824UT GOES6-MIN=N:-020NT@ 2154UT G6-AVG=+109,+029,-004
FLUXFCST=STD:081,084,086;SESC:081,084,086 BAI/PAI-FCST=005,005,005/008,008,008
KFCST=2223 2221 1223 2222 27DAY-AP=005,006 27DAY-KP=2111 1222 2101 1123
WARNINGS=*SWF
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 28 AUG 94 was 28.5.
The Full Kp Indices for 28 AUG 94 are: 2- 3+ 2+ 2- 1+ 2- 2- 1+
The 3-Hr Ap Indices for 28 AUG 94 are: 7 18 10 6 5 6 7 5
Greater than 2 MeV Electron Fluence for 29 AUG is: 6.9E+06

SYNOPSIS OF ACTIVITY

Solar activity increased to low levels. A new region is at the east limb near S07. This region is the likely source of multiple C-class flares - the largest was a C7 at 29/1247Z. Frequent optical surging was observed from this site. This area is also moderately large and bright in Yohkoh imagery. This is a new region from last rotation and is likely in a growth stage. A small new high latitude Region emerged at S23E06 and was numbered as new Region 7772.

Solar activity forecast: solar activity should continue at a low level with M-class flares a distinct possibility. A more confident assessment will be possible when the region at the east limb rotates into view.

STD: Frequent C-class flaring has been occurring over the last 24 hours, probably from the new region near S07. In addition, the background x-ray flux has increased more than a full magnitude over the last 24 hours, again almost certainly a

result of the appearance of this new east-limb region.

The geomagnetic field was mostly quiet. Brief unsettled conditions were observed at some sites between 0600-0900Z. Energetic electron fluxes were at low to moderate levels.

Geophysical activity forecast: the geomagnetic field should continue at mostly quiet levels.

Event probabilities 30 aug-01 sep

Class M	50/50/50
Class X	05/05/05
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 30 aug-01 sep

A. Middle Latitudes

Active	05/05/05
Minor Storm	01/01/01
Major-Severe Storm	01/01/01

B. High Latitudes

Active	20/20/20
Minor Storm	10/10/10
Major-Severe Storm	05/05/05

HF propagation conditions were normal over all regions. Normal propagation is expected to continue during the next 72 hours, through 01 September inclusive. There is a moderate probability that daylight paths may experience effects of short wave fadeouts (SWFs) due to possible solar flaring from the new region at the east limb. This region has exhibited frequent C-class flaring and has enhanced the background x-ray flux more than a magnitude over the last 24 hours. It will be watched closely as it rotates into view and transits the visible disk over the next two weeks.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

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REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 29/2400Z AUGUST

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7771	N07E62	123	0060	HSX	02	001	ALPHA	
7772	S22E05	180	0010	BX0	03	003	BETA	

7770 S09W41 226 PLAGE
REGIONS DUE TO RETURN 30 AUGUST TO 01 SEPTEMBER
NMBR LAT LO
NONE

LISTING OF SOLAR ENERGETIC EVENTS FOR 29 AUGUST, 1994

BEGIN MAX END RGN LOC XRAY OP 245MHZ 10CM SWEEP SWF
NO EVENTS OBSERVED

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 29 AUGUST, 1994

NO EVENTS OBSERVED

COMMENT: A new region is visible in x-rays at the east limb near S07.
No event level limb events were reported here, but it is possible mass
ejections occurred from this area during the period.

INFERRED CORONAL HOLES. LOCATIONS VALID AT 28/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS
EAST SOUTH WEST NORTH CAR TYPE POL AREA OBSN
NO DATA AVAILABLE FOR ANALYSIS

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date Begin Max End Xray Op Region Locn 2695 MHz 8800 MHz 15.4 GHz

NO EVENTS OBSERVED.

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

C M X S 1 2 3 4 Total (%)
-- -- -- -- --
Uncorrelated: 0 0 0 0 0 0 0 0 000 (0.0)

Total Events: 000 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
NO EVENTS OBSERVED.								

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II	= Type II Sweep Frequency Event
III	= Type III Sweep
IV	= Type IV Sweep
V	= Type V Sweep
Continuum	= Continuum Radio Event
Loop	= Loop Prominence System,
Spray	= Limb Spray,
Surge	= Bright Limb Surge,
EPL	= Eruptive Prominence on the Limb.

** End of Daily Report **

Date: 1 Sep 94 22:45:34 GMT
From: news-mail-gateway@ucsd.edu
Subject: Missed SpaceNews Issues
To: info-hams@ucsd.edu

Hello All.

Sorry I forgot to mention I was going on vacation and would not be able to circulate SpaceNews via the Internet for several weeks. Things should be back to "normal" next week. The missed editions of SpaceNews follow:

SB NEWS @ AMSAT \$SPC0822
* SpaceNews 22-Aug-94 *

BID: \$SPC0822

=====
SpaceNews
=====

MONDAY AUGUST 22, 1994

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for unlimited distribution.

* AMSAT-OSCAR-16 NEWS *

=====

PACSAT-1>AMSAT <UI>:

1540 UTC 18 August 1994

WOD Dump of Temperature Channels 15,1E,2F,30,36,38

Will dump for 24 hours AO-16 Command Team <WJ9F>

* DOVE-OSCAR-17 NEWS *

=====

DOVE-1>BRAMST <UI>:

5th August 1994 13:10 UTC

Dove has been loaded with new software.

90 Secs TLM -- DAC Test (8 Tones) -- Voice

S Band is still off till further notice.

73 Dove Command Team (vk7zbx)

* WEBERSAT-OSCAR-18 NEWS *

=====

WEBER-1>CAST <UI>:

19-Aug-94

*Collecting and Sending WOD

Week1: Array Currents 26 27 28 29 2A 2B

*Photo#8/12 identified as Djibouti

*Monday, New Spectrum

73, IK3WVJ

* LUSAT-OSCAR-19 NEWS *

=====

LUSAT-1>AMARG <UI>:

July 23.

Reload is complete.

Additional new experimental software is aboard, but not active.

Digipeater is on.

LU8DYF, LO-19 command station.

* AMSAT-OSCAR-21 NEWS *

=====

RUDAK2>BEACON <UI C>:

++ Hi, this is the RUDAK-II experiment on AMSAT OSCAR 21 ++

RUDAK2>BEACON <UI C>:

RUDAK-II Schedule: (down 145.987, up 435.016)

min/10 Beacon Mode

0..3 FM Repeater

4 Digital Audio

5..7 WEFAX Picture

8..9 AFSK TLM

RUDAK2>WEFAX-1 <UI C>:

WEFAX General Info:

Mode : MGCS, Subcarrier 2400Hz, DSB max=white, Start 300Hz(3s),

Stop 450Hz(5s), Phasing signal (5% bl, 95% wh),

Sync (1st 40 Pixels), 800x800 Pixels, 4 lines/sec., module 267

* DIGITAL SATELLITE NEWS *

=====

This year's AMSAT-UK Colloquium yielded some news regarding the status of several digital Amateur Satellites in various states of limbo. Richard, G3RWL reported that the file server on LUSAT-OSCAR-19 has still not been made available possibly due to a power struggle within AMSAT-LU. The packet mailbox on FUJI-OSCAR-20 is gone forever due to a failed computer. The analog (Mode JA) transponder is available, however. Two uplink channels on KITSAT-OSCAR-25 have failed. This causes uplink contention on the remaining uplinks. ITAMSAT-OSCAR-26 controllers have not had enough time to fix the problems with IO-26 since it's on-board computer crashed back in May. And POSAT-OSCAR-28 apparently came and went, unlikely to ever be seen again.

* AMSAT-OSCAR-10 NEWS *

=====

Several stations have reported that AO-10's downlink is FMing. Downlink frequency instability is due to low and varying battery voltages. This

is a dangerous condition, and it is important that all ground stations curtail transponder operations when the frequency of the downlink becomes unstable to reduce the drain on AO-10's batteries and to allow them to recharge.

* STS-68 NEWS *

=====

Launch of Space Shuttle Endeavour was aborted just seconds before liftoff on 18-Aug-94. The primary payload for this mission is the Space Radar Laboratory, part of a comprehensive effort under NASA's Mission to Planet Earth program, to understand how the Earth's environment is changing.

* FEEDBACK/INPUT WELCOMED *

=====

Mail to SpaceNews should be directed to the editor (John, KD2BD) via any of the following paths:

FAX : 1-908-747-7107

PACKET : KD2BD @ N2KZH.NJ.USA.NA

INTERNET : kd2bd@ka2qhd.de.com -or- kd2bd@amsat.org

SATELLITE : AMSAT-OSCAR-16

MAIL : John A. Magliacane, KD2BD
Department of Engineering and Technology
Advanced Technology Center
Brookdale Community College
Lincroft, New Jersey 07738
U.S.A.

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/EX

SB NEWS @ AMSAT \$SPC0829

* SpaceNews 29-Aug-94 *

BID: \$SPC0829

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SpaceNews

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MONDAY AUGUST 29, 1994

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for unlimited distribution.

* SPACE CALENDAR *

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Sep ?? - FAST Pegasus Launch
Sep 01 - 15th Anniversary (1979), Pioneer 11, Saturn Flyby
Sep 06-9 Magellan, Windmill Experiment
Sep 09 - STS-64, Discovery, Lidar In-Space Technology Experiment (LITE-I)
Sep 14 - Ulysses, Maximum Southern Latitude (-80.22 degrees)
Sep 12 - 35th Anniversary (1959), Luna 2 Launch (Russian Moon Impact Mission)
Sep 21 - 20th Anniversary (1974), Mariner 10, 2nd Mercury Flyby
Sep 28 - NOAA-J Launch
Sep 29 - Intelsat 7 #1 Atlas IIAS Launch
Sep 30 - Seastar Pegasus Launch

[Info via Ron Baalke]

* RS SATELLITE NEWS *

=====

Andy, RK3KPK, the operator of the RS satellite ground station RS3A reports that both RS-10 and RS-12 are both in good operating order. Andy reports there is a lot of RS activity from stations in Germany, England, Italy, and Switzerland. Activity from the Commonwealth of Independent States is low, although there are some active stations in the Leningrad region, Siberia, and Moscow.

The ROBOTs (autotransponders) are functioning well on the satellites. Andy reminds us of a special channel on RS-10 that operates on an uplink frequency of 145.850 MHz and downlink of 29.350 MHz. The RS-14/A0-21 CW beacon (145.822 MHz) can sometimes be heard coming through RS-10's ROBOT, which has a downlink on 29.403 MHz.

No word has been received regarding the launch of RS-15.

At the RS Command Station, RS3A, Andy operates through RS-10 only. The station consists of a 100-watt uplink transmitter that feeds a groundplane antenna. The downlink receiver is an R250M2 and contains 20 tubes. It is also very heavy and weighs about 95 kilograms. A 3 element yagi antenna is used for receiving RS-10 downlinks at the RS3A Command Station.

QSL cards for ROBOT contacts are available through DF4XW or Andrey Mironov, ul.V-Voloshinoj, d.11, kv.72, station Perlovskay, 141014, Moscow region, Russia, C.I.S.

[Info via Andy, RK3KPK]

★ ENCRYPTION OF METEOSAT HRI TRANSMISSIONS ★

=====

The following information was taken from the EUMETSAT Newsletter, Darmstadt, Germany.

Starting in 1995, HRI data will be transmitted in encrypted form. Test transmissions have already been scheduled this year. This service will continue with the new High Rate Image Transmission (HRIT) to be introduced with the Meteosat Second Generation, scheduled for launch in the year 2000. HRIT format will provide considerable enhancements to the information available from current Meteosat HRI transmissions.

For PDUS users to be able to use encrypted data they will need to obtain a decryption facility for use within their particular receiving station. Decryption will require a Meteosat Key Unit (MKU) at a cost of 700 ECU.

The apparent reason for the introduction of data encryption for meteorological data is its use by commercial enterprises, who do not contribute to the cost of data collection, but charge customers for the provided services.

There are no plans to encrypt analogue WEFAX transmissions of Meteosat data, so reception via SDUS (Secondary Data User Stations) will be unaffected. By the time of the launch of the Meteosat Second Generation (MSG) satellite in the year 2000, a new and improved integrated digital data transmission system known as LRIT (Low Rate Image Transmission) will replace the current analogue WEFAX data formats and MDD. This system will extend much of the functionality and flexibility which are only available currently to users of PDUS equipment. Selected sections of the LRIT data (e.g. MDD) already subject to encryption, will continue to be distributed on a restricted basis.

[Info via Manfred, TG9IKE]

★ CHINA OSCAR NEWS ★

=====

The Tsinghua University Amateur Radio Club (TUARC) in Beijing, China started its long-awaited OSCAR-13 Mode B operation on Tuesday August 23, 1994, signing BY1QH. The satellite ground station consists of a Yaesu FT-726R tribander (2m/70cm/6m), a Cushcraft AOP-1 system (an A144-20T 146MHz Twist antenna and a 416TB 435 MHz Twist antenna), a Kenpro KR-400RC azimuth and KR-500 elevation rotors, a Tokyo Hy-Power HL-120U 70cm amplifier, and a GaAsFET 2m preamp. Uplink power is around 25 watts.

The low uplink power is due to a defective 70-cm power amplifier and a replacement for it as well as a broken Yaesu MH-1 mobile microphone are sought. Anyone who can help is asked to contact Rick, BZ1QL at any of the addresses listed below.

TUARC would like to thank CRSA, the Chinese Radio Sports Association, as well as Sam N3NFK, Bill KA3HPQ, Jackie KA3HPP, Chris AA2MJ, Allan WA2JVI, Presley N5VGC, Max G0PBZ, Rick N6NR and all of the people who have been concerned about TUARC operations.

TUARC can be reached via any of the following paths:

Packet - BZ1QL @ JA5TX.JPN.AS
Internet - bz1ql%ja5tx@bbs.arasmith.com or bz1ql%ja5tx@bbs.lbc.com
Airmail - Rick Niu BZ1QL
Public Relations Manager TUARC
Room 316 Building 25
Tsinghua University, Beijing 100084
People's Republic of China

[Info via BZ1QL]

* THANKS! *

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Thanks to all those who sent messages of appreciation to SpaceNews, especially:

NS1Z KA2AEV N2MUC ZS6BMN TG9IKE

* FEEDBACK/INPUT WELCOMED *

=====

Mail to SpaceNews should be directed to the editor (John, KD2BD) via any of the following paths:

FAX : 1-908-747-7107
PACKET : KD2BD @ N2KZH.NJ.USA.NA
INTERNET : kd2bd@ka2qhd.de.com -or- kd2bd@amsat.org
SATELLITE : AMSAT-OSCAR-16

MAIL : John A. Magliacane, KD2BD
Department of Engineering and Technology
Advanced Technology Center
Brookdale Community College
Lincroft, New Jersey 07738
U.S.A.

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/EX

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John A. Magliacane, KD2BD * /\ /\ * Voice : 1-908-224-2948
Advanced Technology Center |/\ /\ /\ | Packet : KD2BD @ N2KZH.NJ.USA.NA
Brookdale Community College |/\ /\ /\ | Internet: magliaco@pilot.njin.net
Lincroft, NJ 07738 * /\ /\ * Morse : -.- -.. ..--- -... -..

Date: Thu, 1 Sep 1994 04:57:15 GMT
From: ihnp4.ucsd.edu!agate!library.ucla.edu!ucsbuxb.ucsb.edu!nntp.ucsb.edu!
beach.silcom.com!sclaus@network.ucsd.edu
Subject: Power Amp. sale. CX3000.QSK.220-40A.30hrs. NS6F.
To: info-hams@ucsd.edu

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Date: Thu, 1 Sep 1994 05:01:32 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
cs.utexas.edu!convex!news.duke.edu!news-feed-1.peachnet.edu!umn.edu!
epx.cis.umn.edu!weiss@network.ucsd.edu
Subject: Radio Shack mast
To: info-hams@ucsd.edu

In <wildoneCvBn6A.5FH@netcom.com> wildone@netcom.com (Hunter Murdock) writes:

> Has anyone used a Radio Shack 36' mast to mount a tribander?
> I've got an old high-gain with traps and would like it up cheep and easy.
> Any better ideas?

Yeah--don't do it. I was told by a salesperson that they only sell stuff they can make a good profit on. My experience and opinion is that if you want quality, go elsewhere. Your tribander is an expensive piece of equipmet; don't take chances.

Of course, these are only mere opinions of mine. But I'd spend a few bucks more--even if I had to wait.

__jeffrey

--

.....

jeff weiss weiss@epx.cis.umn.edu TCP/IP 44.94.249.101 N0IRR 612.825.4746 H
.....

Date: 1 Sep 1994 01:54:29 GMT
From: ihnp4.ucsd.edu!agate!darkstar.UCSC.EDU!news.hal.COM!olivea!
channel.ecst.csuchico.edu!nic-nac.CSU.net!usc!elroy.jpl.nasa.gov!swrinde!
news.uh.edu!news.sccsi.com!nuchat!acs@network.ucsd.
Subject: Santec FM-240
To: info-hams@ucsd.edu

I have a borrowed Santec 240 WITHOUT the manual. I've found the "enter" key and such. My question is, does this rig have transmit "PL" capability or just receive "tone-squelch" type stuff? The problem is , I need a xcvr with transmit PL on 103.5 for some repeaters, but, I can't seem to toggle the PL on here using the "enter" key that lets me select the actual PL freq.

Did I make myself clear here? In a nutshell, does the Santec 240 have a way to turn the TRANSMIT PL on?

Thanks, and 73 de A.C., W5EZM in Houston

--
A. C. Spraggins acs@nuchat.sccsi.com
South Coast Computing Services, Inc. w5ezm@sugarland.ampr.org
P. O. Box 270355 (713) 917-5000
Houston, TX 77277-0355 (713) 917-5005 fax

Date: Thu, 1 Sep 1994 04:56:15 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!math.ohio-
state.edu!usc!nic-nac.CSU.net!channel.ecst.csuchico.edu!csusac!csus.edu!
netcom.com!pineapp@network.ucsd.edu
Subject: Ten-Ten Number - where to get one?
To: info-hams@ucsd.edu

Get on ten meters and work ten ten-ten numbers contact. After
yo have work these ten send it to your local ten-ten contact person.

When you have your ten-ten number you can work other sub group
of the ten-ten group, ie forty-niners.
Good luck,

Pat Masterson (bat@gdstech.grumman.com) wrote:
: In article <340d9i\$5hs@uucp.intac.com> forbes@intac.com (Thom Forbes) writes:
: >Can anyone tell me how to enroll in the Ten-Ten Club?
: >
: >Tnx - 73
: >Thom (N2CBV)

: Tom, send a note to WA2SUH at his CBA for help.
: -pat KE2LJ

: --
: *-----*
: * Pat Masterson D12-25 | KE2LJ@KC2FD *
: * Grumman Data Systems | 516-346-6316. *
: * Bethpage, NY 11746 | bat@gdstech.grumman.com *

--
+-----+-----+
INTERNET: pineapp@netcom.com (DC436)	Daniel Curry WB6STW
AMPRNET : dan@wb6stw.ampr.org [44.4.20.144]	E-:-) Ham Radio Operator
AX.25 : wb6stw@n0ary.#NOCAL.CA.USA.NA	Redwood City, CA USA
	DoD # 1450
+-----+-----+

Date: Thu, 01 Sep 94 01:18:46 EDT
From: ihnp4.ucsd.edu!agate!library.ucla.edu!europa.eng.gtefsd.com!MathWorks.Com!
udel!gatech!concert!salzo!dburton@network.ucsd.edu
Subject: XYL Reactions (snicker- Kodak moment) (was Re: IC-751A HF Transc
To: info-hams@ucsd.edu

wwg@coutts.UUCP (Warren Gay) writes:

> Actually, come to think of it... why not put the TUBES in the top
> rack? Get them all nice and spiffy clean... they're least likely
> to suffer from it, assuming they can't move much!
. . .
> Then the side tray where the silverware normally goes, I could leave
> my favourite pliers, screwdrivers, and open-end and box-end wrenches.

Well, I wash my baking potatoes in the dishwasher, so why not? :-)
(But take out the tools and blow-dry them before they rust.)

-Dave Burton <dburton@salzo.cary.nc.us>
For my PGP public key, finger dburton@cybernetics.net or dburton@ios.com

Date: (null)
From: (null)

End of Info-Hams Digest V94 #984
